

### Claims

1. A spreader for a cleaning shoe, the spreader comprising:  
a panel having an inner edge and an outer edge, the inner edge is provided with a mounting assembly and the outer edge is provided with a weight.
2. The spreader as defined by claim 1 wherein the panel is flexible and resilient.
3. The spreader as defined by claim 2 wherein the mounting assembly defines an acute downstream angle for the panel.
4. The spreader as defined by claim 1 wherein the mounting assembly defines an acute downstream angle for the panel.
5. A cleaning shoe for an agricultural harvesting machine comprising:  
a frame having sidewalls;  
a sieve supported on the frame, the sieve defining a longitudinal flow path for grain being cleaned;  
spreaders are mounted to and extend from the sidewalls into the longitudinal flow path, the spreaders comprise panels that flap back and forth during movement of the frame.
6. The cleaning shoe as defined by claim 5 wherein the panels extend downstream at an acute angle to the sidewalls.
7. The cleaning shoe as defined by claim 6 wherein the panels have an inner edge and an outer edge, the inner edge being provided with a mounting assembly and the outer edge being provided with a weight.
8. The cleaning shoe as defined by claim 7 wherein the acute angle is between 30 and 60 degrees.
9. The cleaning shoe as defined by claim 8 wherein the panels are flexible and resilient.
10. The cleaning shoe as defined by claim 5 wherein the sieve is provided with longitudinally extending dividers located between and parallel to the sidewalls, and additional spreaders are mounted to and extend from the dividers into the longitudinal flow path.
11. The cleaning shoe blade as defined by claim 10 wherein the panels

extend downstream at an acute angle to the sidewalls and the dividers.

12. The cleaning shoe as defined by claim 11 wherein the panels have an inner edge and an outer edge, the inner edge being provided with a mounting assembly and the outer edge being provided with a weight.

13. The cleaning shoe as defined by claim 12 wherein the panels are flexible and resilient.

14. The cleaning shoe as defined by claim 13 wherein the acute angle is between 30 and 60 degrees.

15. A cleaning shoe for an agricultural harvesting machine comprising:  
a frame having sidewalls;

a sieve supported on the frame, the sieve being provided with longitudinally extending dividers defining a longitudinal flow path for grain being cleaned;

spreaders are mounted to and extend from the dividers into the longitudinal flow path, the spreaders comprise panels that flap back and forth during movement of the frame.

16. The cleaning shoe as defined by claim 15 wherein the panels extend downstream at an acute angle to the dividers.

17. The cleaning shoe as defined by claim 16 wherein the panels have an inner edge and an outer edge, the inner edge being provided with a mounting assembly and the outer edge being provided with a weight.

18. The cleaning shoe as defined by claim 17 wherein the acute angle is between 30 and 60 degrees.

19. The cleaning shoe as defined by claim 18 wherein the panels are flexible and resilient.

20. The cleaning shoe as defined by claim 15 wherein the panels are flexible and resilient.

21. The cleaning shoe as defined by claim 15 wherein the sieve is a chaffer sieve.